- 1 (1)GENERAL INFORMATION 2 (2) INFORMATION FOR SEQ. ID NO.1: 3 SEQUENCE CHARACTERISTICS: (i) LENGTH: 5001 BASE - #PAIRS 4 (A) 5 TYPE: NUCLEIC ACID (B) 6 (C) STRANDEDNESS: SINGLE 7 TOPOLOGY: LINEAR (D)
- 8 (ii) MOLECULE TYPE: GENOMIC DNA
- 9 (xi) SEQUENCE DESCRIPTION: SEQ. ID NO.1

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GTTGCTGTTGCTGTTCTAGAACAATCCATACACACGATTAGATTGAGCTCACCTTCAGCT CACGGAAAATTCTTCAGGCCTCAACCCTTCAGCTCCACCCTGCCTTTCTGGAAAAATGCA CTCGTGGCTCTACAGGGTGAGCAACCAGGGGCGCAACTGCAGGGCATGCTCATACAGAAC ATGCTGCCGCAGCTGATCATCGCTCAGCAGTGCAGTCAAGCTGCGCACTGGCAGCTTGCA TTGTAGCTGGTGTACAACATTCCAGAAGCCGACTGGTATTCGTTGCAATTGTCACAATTG TGACGCCCATGCAAGGCCCACGAGCAATATCGACTGCAGAACCCTGTGCTGGGATCTACG GGAATGATTGGATTGGACGATGTCAGGGCGTTCGACAGCCCGTACCAAAGCTTGCCAAA CTTTAGCAGCGGCTGCTAGCAACCACGAGATAAGCCATGGCCACAACCTTGCAACATCGC CAGGCAACACCTCCAGGTGTTCAACTTGAAGGTGTGACACCACTGGTGTGCTGCAG CTGGCCATTCGGTTTAAGCCAAGCAGTACAGCGCTGTCAGCTTCATCCCCGCCTGGTTAC TGTGATGTATGTGCTTCTGATCAAGCGGTCCTCCATGCCGTCCGAACAGAACTGCGCTGT AAGCTTACGCAGCCCCAACCGGCTCCGAGCAGCATGCCCTTAAGTGGCGGGAAAACTGCC AGGGACGGTGTAAGGGCGCCATTCAGCGCTCGATACTGTAAGATTGTTTTAGATGAAACA GAAATACACCTCCGGAGCTGCGAGTAGCGAGGTGATTTTGCATAAGGGATCCACACTGTT GTGGCCCCCCAAGAATGTTTACCCGTTTCGATTGACAGCAAAACATCATGATCAT CAAAGGAGTGCATCGACAGTCAACGATCACCAGGTGATTACGTTTGTCACTGACAAGCGC CCTCTACGTGCGCCTTGGGCCTACATATGCCCTGCTGTGGGAGTACCCGTGCACAACAGA GCGTTAGAGATACTTCATAGCTGCAACTAGACTACCTTTACCCTAACGAAATCACCCTAG ACCGACAGTGTCGGAGTAGCTGCGACCCAAACGTGATGGCGAGCGGATTGCTTCTCAAGC AGTGAACAGGCGGCTGTGGTGGCAGCAGGTGCGCTTCTTCTGAAGGGCAGCTAGGGCTG TTTCGGGCAGTGCATGCCGGCCTATTTTGGGTTGCTCGGAGCAATAATATGTACTATATT GCTCTCGTGGAGCTGTTTGCGCCACGTGCTTGCCTTGGCGCCTGTTGACCCCGGACCCT CCACGTTGCTTCTTGCCGCTGCAGAGCGCAGGCGCCTTGTTGTGCGGGCAGCTGGCCCAA CAGCAGAATGTGATTGCCCACCAGCTCCCGCGCCCAAGGCCCCGCACTGGCAGCAGACGC TAGATGAGCTAGGTGAGCTGCGTGACATTGGAAGTCTGGTGTCCGCAACTGCTCTCTGTG

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$\tt ATGGATATGGTTCAGGTGCTGTGCTGCGTCGCATGCCATAAGCACCTTGTGACCCTGTGC$
${\tt GATGCATAAAAATAGATATTGCCATTTGGTTCCAGGCTGGTGGCAGTGGCTGGTTAA}$
${\tt CAGGGGAGTGTGTGTTTTGTGTGTCTTCATTGTCGGTGTGTTCTTGCTGCATGTATTGT}$
${\tt AGTGTAATGGGTTATGCACGCCTGCATGCGCACGCGCTCCTCGTGCTGCGACAGTGCACA}$
${\tt ACGCACAGCGTGATACAGCTGCAGGACGTTTGCGGAAAAACACTTGTTACTGGTGACGGC}$
$\tt TGAAGCAGCGATGATGGAGAGAATGGATTCGCTGCTATCTCACAGGGCGTGGCTGCTGCA$
${\tt TCGCCATGGCATGTCCCTGTTGCACGCAATTGCCTGCGTAATTTTGATAGTGGCAGCACT}$
${\tt GAGGCAGCTGCAAGGCCTTCTGCCAGCGGCTGTTTGTGTCCTATCTGTGTTTACAGGCAG}$
$\tt CTGCATTTGAAGGCAAGGGGGTTGGCCATCACTCACTTTGATCACTCAC$
$\tt CTTCCATCCATGTATTGGTCAACGCACTGAAGTTCTTTTTTTT$
$\tt TGTGTGCACACTACTTGCTATGGAGATGACAGCAGCATCAATCTCAAGCATGATGAAAGC$
$\tt GTATGTTGTATCAGTGCCCCATTTTGCAGACTCTTAAGAGCTTTACCTTCTCAGGGGTTG$
${\tt CAGCAGGTGGTCAGCCAGTTGAGGGAGTGTGTGTGTTGTCTTGCCACCATGTGAG}$
TATTGAAACCACCATCCTGAGCTAAGTGTTCAGGCATCTTACCCTCATACCCCGCTACCC
$\tt TGCTACTGGGAGTTTCGTTTCATTGTATTGGCAGCCGTTTACTAATTAGTAATGGCGCTT$
${\tt GAGCGAGGCATGTCTTGATATGTATGCCTTAGGAGAGTGTGAGCTCAACTCAATTCTCAT}$
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1 2 (2) INFORMATION FOR SEQ. ID NO.2: 3 (i) SEQUENCE CHARACTERISTICS: 4 LENGTH: 5208 BASE - #PAIRS (A) 5 TYPE: NUCLEIC ACID (B) 6 (C) STRANDEDNESS: SINGLE 7 TOPOLOGY: LINEAR (D) MOLECULE TYPE: GENOMIC DNA 8 (ii)9 SEQUENCE DESCRIPTION: SEQ. ID NO.2 (xi)

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TCCCGGAAGCACCAGCAGCAGCAGGGGGCCAGGGGGTCGGTGATGATGTGGGCGCGGTGT ATGGAGGTGCACCCTGTATGTTCATCTGGGCGCTTAATTGCGTTAAGCCATTCGAGCCC ACTTCGGAGGCAAGTTCGATTTGGTGGCGTGAGATCCGCCTCACCCCGGTTACTGCACGT GCAGGAGTGTGTGCAGCAGTAGTCGGCAGGGTGTCCCCAGGTATTGTGGCGTTTGTCGC ACGGTATGCCGGTGCAGTGCTCAGGTGCGTAAAGCGGCGCGTCGCGGTGTTGGTCGCAAC GCTTTGCTGGCAGCGTAGAACCGCTGTGGCGGACACACGCTCAGCAAGGGCCAAGGGGGG CGTCCAAGCCAAGGTCCAAGCGCGCATCCCCTCACCCTGCACCAATGTCCAACACCGAC AGTAATCCACGCTCCGCTACGTCGCAAGCAGCAATCATGCGTGTCTAACATGACTGAAC TATATGCGCACGCATTGTTGCCGACACAACGACAACTATCCGGCTGCCTACTGTTGT ATAAGGGTCATAGAATCTAGCGTTATCCTTCCACGAGCGTGTGGCAGCCTGCTGGCGTGG ACGAGCTGTCATGCGTTGTTCCGTTATGTGTCGTCAAACGCCTTCGAGCGCTGCCCGGAA CAATGCGTACTAGTATAGGAGCCATGAGGCAAGTGAACAGAAGCGGGCTGACTGGTCAAG GCGCACGATAGGGCTGACGAGCGTGCTGACGGGGTGTACCGCCGAGTGTCCGCTGCATTC CCGCCGGATTGGGAAATCGCGATGGTCGCGCATAGGCAAGCTCGCAAATGCTGTCAGCTT ATCTTACATGAACACACAAACACTCTCGCAGGCACTAGCCTCAAACCCTCGAAACCTTTT GCACCACCTATTATTCTAATATCGTAGACGCGACAAGATGTCGGCGCTCGTGCTGAAGC CCTGCGCGCCGTGTCTATTCGCGGCAGCTCCTGCAGGGCGCGGCAGGTCGCCCCCGCG CTCCGCTCGCAGCCAGCCGTGCGTGTAGCCCTTGCAACACTTGAGGCGCCCGCACGCC GCCTAGGGTGAGGGCGACGCAGTGAACGCAGTTTCGATGGGTCACTTTGTCGCTTTTGCG GAAGCCTCCGAAACGTCCCGCGAGGTTCAAACGGCCCCGAATGACCACACCCATATGGCC ACTGGGAATAATAACGCAGCAACGTCGCTTGCGCGGCTGCCGCACCCGCTGCGGAGGCGC ACGCATTGTTGTGGTCAAGTCTCTCCACTCAGTCCGACCCCCACACGGCGTAGGGGTCT

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GAAGTCCACCAACTCCTCACACACCCCAAGGAAGGGACGTAAGCCCCCCTGGCTACGCTT TACCCAGCAGCCACAGCGACAGAGCGCCCCAACATAGGCTCGAGATAGAACGCACCTGAA CTGTGACACTTACAATGGAAAGGAACTGCGGATGGCCTTAAAGTCAAGCATTTTGTGACG AGTCGGCTCGGAATCCCCATCGGCGCCCGTCCGTTCGTCTTCATCACCGCCTGAAACGGC GCACGCGCAATAGTGCGCACTTGATGCCTTTCGGTCCAACGCCTCTGTCAGCTAACACTT TCCAGGGCCAGCGGGACTCGAGAACCCTCTTTCCTGGCAACCTTGGTTTGGCTGGACCT ATGCCCACAGCCAAGCCCAAGGACGCCCACGCGCAAGCACGTCTGCGTGCAGGTGGCT CCGGCCGTTCGTGTCGCTATTGCCGAGACCCTGGGCCTGGCGCCGGGCGCCACCACCCCC CCTGCCTGCCCGCCCTCACGCCCCAGGTGTTTGACACGCTGTTTGGCGCCGACCTG ACCATCATGGAGGGCAGCGAGCTGCTGCACCGCCTCACCGAGCACCTGGAGGCCCAC CCGCACTCCGACGAGCCGCTGCCCATGTTCACCAGCTGCTGCCCCGGCTGGATCGGTAGC AGCGCGGCGTGCTTAGGGCCCCATAACCTGTCTTGGGCCCCCGGCGTCCGCCTCTC  ${\tt CACCTACCTGCAACATGTACGTGCCTACGGTATTGTCGCATGTCTCTTGACGATTTGGGT}$ CGACCTTACCTTGCCTTGTGTCCTTTCTCCACCCCCACCCGCCTCTTTCCTCGCCGGCC CCCCTCGCGCAGCTATGCTGGAGAAATCTTACCCGGACCTGATCCCCTACGTGAGCAGCT GCATCGCGCCAAAGGACATGGTCATGGTGTCCATCATGCCCTGCACGCGCAAGCAGTCGG AGGCTGACCGCGACTGGTTCTGTGTGGACGCCGACCCCACCCTGCGCCAGCTGGACCACG TCATCACCACCGTGGAGCTGGGCAACATCTTCAAGGAGCGCGGCATCAACCTGGCCGAGC GCACCACCGGCGTGTCATGGAGGCGGCGCTGCGCACGGTGGGTCTGTGAGAGCCGGTTG ATTGGCCCGGCAGAACGCATACACTTGCTGAACCTTTGATGCGGGATAAGCAAGGCTACC GATCCGCGTCTTTTTACACCTGTTTATCACGTCGCTGAGCAAGCTCGTGACACCTGCAGG CCTATGAGCTGTTCACGGGCACGCCGCTGCCGCGCCTGAGCCTGAGCGAGGTGCGCGGCA TGGACGCATCAAGGAGACCAACATCACCATGGTGCCCGCGCCCGGGTCCAAGTTTGAGG CGCTGGCCTGGGACGCCGGCCGGGCTTCACCAGCGAGGACGCAGGGGCGCATCACAC TGCGCGTGGCCGACGGCTGGGCAACGCCAAGAAGCTGATCACCAAGATGCAGG CCGGCGAGGCCAAGTACGACTTTGTGGAGATCATGGCCTGCCCCGCGGGCTGTGTGGGCG GCGGCGGCCAGCCCGCTCCACCGACAAGGCCATCACGCAGAAGCGGCAGGCGGCGCTGT CTGCGGGGCAGGTGCGGCGGAAACGGAAATGGGCAAGGCTCGAGGTGGAGGCGGGGT GGGTTGGGGTTACTTGCTACAGGTTGGCGGCAGGATGTGATGGAAGCAGTGTGGAGGAG GTGTGCGTAGGGTCCCGACGACGGTATTCGCACGAGCAAAGAGGGTCGGCACTTCCTGAC

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ACAATGTGCGCCTGCACGTGCGCTCCTGTTGCTGCCCCAGGTCCACGCTGCGCCGCAGCC ACGAGAACCCGTCCATCCGCGAGCTGTACGACACGTACCTCGGAGAGCCGCTGGGCCACA AGGTGGGGGGGTTGTATACTACCAGCCCAAATGACGGGGCTGGTCGGGGGCGTTGGAGA GGCGGCCGGGAGGGAGGCGGCTGGGTGTGGGGCAACAGCAGGTGAAGGGACGGGGGG CGCACTGGGCAGGCCGTACATGCCTTGTCCTGATAGCTACCCACACGCGACTGTTGCTA CATGGATGCATGACGTGTGCCGTGTGCTTGACCCCTGCAGGCGCACGAGCTGCTGCACAC CCACTACGTGGCCGCGCGTGGAGGAGAAGAAGAAGAAGTGAGGAGCGCCAGAGGC TCTTTGGGCGGAGACAGCTTCAAAGCGAGGGGGGCGTATTAGCAGTACCGTAAATATGCAC TGATGGGTGATGCGGGTGTCCTCTTTATATTGAATGGGGGTCAAAATAGGCGGCGGGTCA AATGTTTCCTTTTTGAGTGGTGTCACAGCATGGGGCACGTGTGCGGAGGCCAGTTGCCCT CCAGTGCACGCGCTCCCGGTGTGTGGCCGCACTGGCCTTGGATAATGCACCGGTGGAGGA TTATGGAAGGGGGACTCAGAAGGCTCATTATTGGACAATGCCTGGTCTCTTCCACATT GGTGTGAGCGCGCTCCGCATAGGCTGTTCACTGCACGCTGGCATTAGGCGTAGGTACTG GCATGAGGGAGCGCGCTTGCTAACCGAATGGCGTATCCCTCCAGGGCACGTCGGAATGG CGCGTGCCCATCAACGCAAATTCTTGGCCTTCATCGCTTCTGGATATTGAAGCTGCACAA TGGGAACAATTCATCTTACTAAAGCGTGTGGGGGTTGAGGATGCGCACGTTGTGCGCTGG TGGGTGGCGGAACGTGGGTAGCATTTAGGCTAGCTGGCATACGACAACGGGGCCCGTG AGGATTGAGCACTTGACTCGCGAACTTATGAACGTAGCGCTTTATACCCACCGTATGCGA TTGACGTTGGTGTAGGCAACCAGGCGGTAGGAAGGCGGAGAGATGCATTGCAAACGCCTG TAAAAGAACGCCATAGCTACTAGACACTCTGATGTGGACCCTTGGCGCACCACGACAGG AGAGGTGTGCATCAGCCGCTTGTAAGCACGCACTTCTGAGAAAAAAA

1 2 INFORMATION FOR SEO. ID NO.3: (2) 3 (i) SEQUENCE CHARACTERISTICS: 4 LENGTH: 3265 BASE - #PAIRS (A) 5 TYPE: NUCLEIC ACID (B) 6 STRANDEDNESS: SINGLE (C) 7 TOPOLOGY: LINEAR (D) 8 (ii) MOLECULE TYPE: GENOMIC DNA 9 (xi) SEQUENCE DESCRIPTION: SEQ. ID NO.3

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GCGGAATTACTAGTGATAAGCAGTGGTAACAACGCAGAGTCGCGGGCAGGGACTCGATCA GTTGTTATGTGTTGCCCCGTGGTTGCAAGTAGGCACGCAGGCGTGCAAGGCATGTTGCT GTCCGTGCAGCAGGCCAACATCTGAGTGTGATTGTCCTCCAACACCTCAGGCCAAGCTG CCTCACTGGCAGCAGGCTCTGGATGAGCTCGCCAAGCCCAAGGAGAGCAGGAGGTTGATG ATCGCGCAAATCGCCTCCGCTGTTCGTGTCGCTATTGCTGAGACCATTGGCTTGGCCCCA GGAGATGTCACCATTGGGCAGCTCGTGACTGGGCTGCGTATGCTTGGCTTTGATTATGTC TTTGGTAAGCAGCATCTTGCATTACACTTGCAGTTGGTCGTCACATGCACCTAATCA GATGTTAGCCCTCTGGAACATTTTTGCCTGTTTGGTGCTTACCTGACCAACTGCTGCCTG GTATGCCAACTTGTGAAGCTGCGTGTTTTGGCGTTGCTACAGACACCCTGTTTGGTGCT GACCTGACCATTATGGAGGAGGGAACGGAGCTGCTGCATCGCCTGCAGGACCATCTGGAG CAGCACCCAACAAGGAGGTGAGTAAGCCAGCTGGGTGGTCTACCACCCAGCACCAGCTC GAGACAGCCTTGCATCAACACTCACAACGTCTAGCTCCTCCTTAAATGAGCGGACCA AACCTGTGAGTGGCACCATGTCAGCTGCCCCTCGCACCAAAGCACAGCATGGCCTGTCTG TCGTCGATTGCCACATGAGTGTTTTGCGTTGTTATGCAAGTGCCTGAACAAACTGCATATT CCTGTGTCTCTCTGCGTTCGCACAGGAGCCACTGCCCATGTTCACCAGTTGCTGCCCAGG CTGGGTTGCCATGGTTGAAAAGAGCAATCCTGAGCTCATCCCCTACCTGTCATCTTGCAA GTCGCCTCAGATGATGCTTGGGGCCGTTATCAAGAACTACTATGCACAGCAGGTTGGAGT GCAGCCCAGTGACATCTGCAACGTGTCAGTCATGCCATGCGTACGCAAGCAGGGAGAGGC TCTCCGTGTGTCAGTGTCTGTTAGAGGCTGGATACTCTCCAGTGCAGTGCTGATG CAGAGTGGCGGCTGGTGTGCAGCAGCCCCAAGAACACTGAGAGCTGGCAATTCAATG GGCTTGCTTACTGTCAGCTTCCTTTTCCTGCAGGTGCAGTGACATACGGTCTGCAT CAAGGCTCAAACATGTTGTGTATGTATGTGTGATGTTGCAATTGCAGGCCTTGCCCGTGA TGTTGATCATGTGGTGACTACTGCTGAGGTTGGTAAGATATTCCTGGAGCGTGGCATCAA GCTGAATGAGCTGCCAGAGAGCAACTTTGACAACCCCATTGGCGAGGGCACAGGTGGTGC TCTGCTGTTTGGCACCACTGGAGGTGTCATGGAGGCAGCACTTCGCACAGTCTATGAAGT 

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GTATTTGTGGTTATCCTGCCATAGCACATGCCTTCTCCTGCTGTTGGCTTTATCAACCTG TTGGTCTATGTGTCACTGCTGCTGCAGGTTACCCAGAAGCCCATGGGTCGTTTGACT TTGAGGAGGTGCGAGGCCTTGAAGGAATCAAGGAGGCAGAGATCACACTCAAGCCAGGAG ACGACAGCCCATTCAAAGCCTTCGCAGGAGCTGATGGGCAGGGCATCACGCTCAAGATTG CAGTAGCCAATGGGCTTGGCAATGCCAAGAAGCTCATCAAGAGCCTGTCAGAGGGCAAGG CCAAGTATGATTTCATTGAGGTCATGCCATGCCCTGGTGGCTGCATTGGCGGAGGCGGTC AGCCCCGCAGTACTGACAAGCAGATCCTGCAGAAGCGCCAGCAGGCTATGTACAACCTGG ATGAGCGCAGTACCATCCGCCGCAGCCATGATAACCCATTCATCCAGGCGCTGTATGACA CAGGTGGAATTCCAGAGGAGAAGTGAGGGACCGAGGCCGGAGTGGTGTTATTAGTGTAGA GCTAGGCAGCAGGATCTGGCCGCATTTGGGTGCTGTTGTTTGGTTTGGCATCAAAGATA TATGGGCCAGGAAGAGCCCGCATCAATGCATGTGAACTAGGTGGCTCCACATATGAACC CTATCTGGATGTTTAAGGTACCTGAAACAATAGTGCATCGGCTCTGCATGGCTCAACAAC GTGGTCAAATTGAATGTCTATGGCAGCTACGCCTGCAGTTCATAGTCTATGAAGGTTTCA CCAGAGTCCATGTCCCTCATATTTTTTGTTTTATATGCCCTTGATTATGCCCCTTGAACCA TGCTCAATGCACACAGTTGGTCGCAGGACAGGCGGCATCGTACATCTCAATTTTCAGAA CTTGTCAGTGCGCATTGCCTTATTTGTACTCTTGCAGTCCTGTTTCACCCTTGCTACTG CCTTGCATGCATCTTTTTTTGCAAGCAACAGCTCATGCATTGCAATCGATCATCACGTA CATCCGTGCCATATTCACATGGTTTTGACTTGCAAATCAACCACCAGGCAGTGGGTAAAT TGCCAGGCTGGGTGCACTTTGGGCCATTTGGGCAGCCCTCTTGTGGCGAGCTTTGCTGCA GGGCCAAGCTGAGTGCATCAGACTCAGCAGGCTGCTGGCACTGTAGAATGCTGAAAA GGGCATTCAACTACATGTCATTATTAGGTTGACCTGAGACAGCCGTAAGAATATCATTGT GTCCTTCCTCAATTACATGCCTTTCAAGAGACTTCAATATCTGTTGTCAGTGACTTGTTT GTGTTTGCTTAATCCAGTGGTTCTC

1	(2)	INFORMATION FOR SEO. ID NO.4:
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2	(i)	SEQUENCE CHARACTERISTICS:
3	(A)	LENGTH: 448 AMINO - #AMINO
4	(B)	TYPE: AMINO ACID
5	(C)	STRANDEDNESS: SINGLE
6	(D)	TOPOLOGY: LINEAR
7	(ii)	MOLECULE TYPE: PROTIEN PROTEIN
8	(xi)	SEQUENCE DESCRIPTION: SEQ. ID NO.4
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12	MPEWQ	PGGRYAVSVRPPVNRRAVVAAERRRLVVRAAGPTAECDCPPAPAPKAPHWQQTLD
13	ELAKP	KEQRKVMIAQIAPAVRVAIAETMGLNPGDVTVGQMVTGLRMLGFDYVFDTLFGAC
14	LTIME	EGTELLHRLQDHLEQHPNKEEPLPMFTSCCPGWVAMVEKSNPELIPYLSSCKSPQ
15	MMLGA	VIKNYFAAEAGAKPEDICNVSVMPCVRKQGEADREWFNTTGAGGANVDHVMTTAE
16	LGKIF	VERGIKLNDLQETPFDNPVGEGSGGVLFGTTGGVMEAALRTVYEVVTQKPLDRIV
17	FEDVR	GLEGIKESTLHLTPGPTSPFKAFAGADGTGITLNIAVANGLGNAKKLIKQLAAGE
18	SKYDF	TEVMACPGGCIGGGGQPRSADKQILQKRQAAMYDLDERAVIRRSHENPLIGALYE
19	KFLGE	PNGHKAHELLHTHYVAGGVPDEK
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2	(2)	INFORMATION FOR SEQ. ID NO.5:
3	(i)	SEQUENCE CHARACTERISTICS:
4	(A)	LENGTH: 497 AMINO - #ACIDS
5	(B)	TYPE: AMINO ACID
6	(C)	STRANDEDNESS: SINGLE
7	(D)	TOPOLOGY: LINEAR
8	(ii)	MOLECULE TYPE: PROTEIN
9	(xi)	SEQUENCE DESCRIPTION: SEQ. ID NO.5
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12	MSALVI	KPCAAVSIRGSSCRARQVAPRAPLAASTVRVALATLEAPARRLGNVACAAAAPA
13	AEAPLS	SHVQQALAELAKPKDDPTRKHVCVQVAPAVRVAIAETLGLAPGATTPKQLAEGLR
14	RLGFDE	CVFDTLFGADLTIMEEGSELLHRLTEHLEAHPHSDEPLPMFTSCCPGWIAMLEKS
15	YPDLIF	PYVSSCKSPQMMLAAMVKSYLAEKKGIAPKDMVMVSIMPCTRKQSEADRDWFCVD
16	ADPTLF	RQLDHVITTVELGNIFKERGINLAELPEGEWDNPMGVGSGAGVLFGTTGGVMEAA
17	LRTAYE	ELFTGTPLPRLSLSEVRGMDGIKETNITMVPAPGSKFEELLKHRAAARAEAAAHG
18	TPGPLA	AWDGGAGFTSEDGRGGITLRVAVANGLGNAKKLITKMQAGEAKYDFVEIMACPAG
19	CVGGGG	GQPRSTDKAITQKRQAALYNLDEKSTLRRSHENPSIRELYDTYLGEPLGHKAHEL
20	LHTHYV	/AGGVEEKDEKK
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2	(2)	INFORMATION FOR SEQ. ID NO.6:
3	(i)	SEQUENCE CHARACTERISTICS:
4	(A)	LENGTH: 436 AMINO - #ACIDS
5	(B)	TYPE: AMINO ACID
6	(C)	STRANDEDNESS: SINGLE
7	(D)	TOPOLOGY: LINEAR
8	(ii)	MOLECULE TYPE: PROTEIN
9	(xi)	SEQUENCE DESCRIPTION: SEQ. ID NO.6
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12	MCCPV	VASRHAGRARHVAVRAAGPTSECDCPPTPQAKLPHWQQALDELAKPKESRRLMIA
13	QIASA	VRVAIAETIGLAPGDVTIGQLVTGLRMLGFDYVFDTLFGADLTIMEEGTELLHRL
14	QDHLE	QHPNKEEPLPMFTSCCPGWVAMVEKSNPELIPYLSSCKSPQMMLGAVIKNYYAQQ
15	VGVQP	SDICNVSVMPCVRKQGEADREWFNTTGAGLARDVDHVVTTAEVGKIFLERGIKLN
16	ELPES	NFDNPIGEGTGGALLFGTTGGVMEAALRTVYEVVTQKPMGRVDFEEVRGLEGIKE
17	AEITL	KPGDDSPFKAFAGADGQGITLKIAVANGLGNAKKLIKSLSEGKAKYDFIEVMACP
18	GGCIG	GGGQPRSTDKQILQKRQQAMYNLDERSTIRRSHDNPFIQALYDKFLGAPNSHKAH
19	DLLHT	HYVAGGIPEEK
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3
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          SEQUENCE CHARACTERISTICS:
          LENGTH: 2636 BASE - #PAIRS
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    (A)
5
          TYPE: NUCLEIC ACID
    (B)
6
          STRANDEDNESS: SINGLE
    (C)
7
    (D)
          TOPOLOGY: LINEAR
8
         MOLECULE TYPE: MRNA
    (ii)
9
          SEQUENCE DESCRIPTION: SEQ. ID NO.7
    (xi)
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CGCTCGTGCAGCATGGTGGGTTTGCGGTTGTGATGTTGGGCATGCTGCACGGAGGTGTTT

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$\tt CTGGTTAACAGGGGAGTGTGTGTTTTGTGTGTCTTCATTGTCGGTGTGTTCTTGCTGCA$
$\tt TGTATTGTAGTGTAATGGGTTATGCACGCCTGCATGCGCACGCGCTCCTCGTGCTGCGAC$
${\tt AGTGCACAACGCACAGCGTGATACAGCTGCAGGACGTTTGCGGAAAAACACTTGTTACTG}$
$\tt GTGACGGCTGAAGCAGCGATGATGGAGAGAATGGATTCGCTGCTATCTCACAGGGCGTGG$
$\tt CTGCTGCATCGCCATGGCATGTCCCTGTTGCACGCAATTGCCTGCGTAATTTTGATAGTG$
${\tt GCAGCACTGAGGCAGCTGCAAGGCCTTCTGCCAGCGGCTGTTTGTGTCCTATCTGTTTT}$
${\tt ACAGGCAGCTGCATTTGAAGGCAAGGGGGTTGGCCATCACTTTGATCACTCAC$
${\tt GAAGCAGGCTTCCATCCATGTATTGGTCAACGCACTGAAGTTCTTTTTTTT$
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$\tt AGGGGTTGCAGCAGCTGGTCAGCCAGTTGAGGGAGTGTGTGT$
${\tt CATGTGAGTATTGAAACCACCATCCTGAGCTAAGTGTTCAGGCATCTTACCCTCATACCC}$
$\tt CGCTACCTGCTACTGGGAGTTTCGTTTCATTGTATTGGCAGCCGTTTACTAATTAGTAA$
$\tt TGGCGCTTGAGCGAGGCATGTCTTGATATGTATGCCTTAGGAGAGTGTGAGCTCAACTCA$
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          INFORMATION FOR SEQ. ID NO.8:
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    (i)
          SEQUENCE CHARACTERISTICS:
          LENGTH: 2399 BASE - #PAIRS
4
    (A)
5
          TYPE: NUCLEIC ACID
    (B)
          STRANDEDNESS: SINGLE
6
    (C)
7
          TOPOLOGY: LINEAR
    (D)
    (ii) MOLECULE TYPE: MRNA
8
9
    (xi) SEQUENCE DESCRIPTION: SEQ. ID NO.7
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ATCTTACATGAACACACAAACACTCTCGCAGGCACTAGCCTCAAACCCTCGAAACCTTTT GCACCACCTATTATTTCTAATATCGTAGACGCGACAAGATGTCGGCGCTCGTGCTGAAGC CCTGCGCGGCGTGTCTATTCGCGGCAGCTCCTGCAGGGCGCGGCAGGTCGCCCCCGCG CTCCGCTCGCAGCCACCGTGCGTGTAGCCCTTGCAACACTTGAGGCGCCCGCACGCC GCCTAGGCAACGTCGCTTGCGCGGCTGCCGCACCCGCTGCGGAGGCGCCTTTGAGTCATG TCCAGCAGGCGCTCGCCGAGCTTGCCAAGCCCAAGGACGCCCACGCGCAAGCACGTCT GCGTGCAGGTGGCTCCGGCCGTTCGTGTCGCTATTGCCGAGACCCTGGGCCTGGCGCCGG GCGCCACCCCCAAGCAGCTGGCCGAGGGCCTCCGCCTCGGCTTTGACGAGGTGT TTGACACGCTGTTTGGCGCCGACCTGACCATCATGGAGGAGGGCAGCGAGCTGCTGCACC GCCTCACCGAGCACCTGGAGGCCCACCCGCACTCCGACGAGCCGCTGCCCATGTTCACCA GCTGCTGCCCCGGCTGGATCGCTATGCTGGAGAAATCTTACCCGGACCTGATCCCCTACG AAAAGAAGGGCATCGCGCCAAAGGACATGGTCATGGTGTCCATCATGCCCTGCACGCGCA AGCAGTCGGAGGCTGACCGCGACTGGTTCTGTGTGGACGCCGACCCCACCCTGCGCCAGC TGGACCACGTCATCACCACCGTGGAGCTGGGCAACATCTTCAAGGAGCGCGGCATCAACC TGGCCGAGCTGCCCGAGGGCGAGTGGGACAATCCAATGGGCGTGGGCTCGGGCGCCGGCG TGCTGTTCGGCACCACCGGCGTGTCATGGAGGCGGCGCTGCGCACGGCCTATGAGCTGT TCACGGGCACGCCGCCTGAGCCTGAGCCGAGGTGCGCGCATGGACGGCATCA AGGAGACCAACATCACCATGGTGCCCGCGCCCGGGTCCAAGTTTGAGGAGCTGCTGAAGC ACCGCGCCGCGCGCGCGAGGCCGCCGCGCACGCACCCCCGGGCCGCTGGCCTGGC ACGGCGCGCGGGCTTCACCAGCGAGGACGGCAGGGGCGCATCACACTGCGCGTGGCCG TGGCCAACGGGCTGGGCAACGCCAAGAAGCTGATCACCAAGATGCAGGCCGGCGAGGCCA AGTACGACTTTGTGGAGATCATGGCCTGCCCCGCGGGCTGTGTGGGCGGCGGCGGCCAGC CCCGCTCCACCGACAAGGCCATCACGCAGAAGCGGCGGCGGCGCTGTACAACCTGGACG AGAAGTCCACGCTGCGCCGCAGCCACGAGAACCCGTCCATCCGCGAGCTGTACGACACGT ACCTCGGAGAGCCGCTGGGCCACAAGGCGCACGAGCTGCTGCACACCCACTACGTGGCCG

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2	${\tt CAGCTTCAAAGCGAGGGGGGCGTATTAGCAGTACCGTAAATATGCACTGATGGGTGATGCG}$
3	${\tt GGTGTCCTCCTTTATATTGAATGGGGTCAAAATAGGCGGCGGGTCAAATGTTTCCTTTTT}$
4	${\tt GAGTGGTGTCACAGCATGGGGCACGTGTGCGGAGGCCAGTAGGCTGTTCACTGCACGCTG}$
5	${\tt GCATTAGGCGTAGGTACTGGCATGAGGGAGCGCGGCTTGCTAACCGAATGGCGTATCCCT}$
6	$\tt CCAGGGCACGTCGGAATGGCGCGTGCCCATCAACGCAAATTCTTGGCCTTCATCGCTTCT$
7	${\tt GGATATTGAAGCTGCACAAACCTGCATTCTATTTGCTTGTTTACACGTGCCCCAATCTTG}$
8	$\tt GTTGGAAGCTAAACATGTTTGGGAACAATTCATCTTACTAAAGCGTGTGGGGGTTGAGGA$
9	$\tt TGCGCACGTTGTGCGCTGGTGGGTGGCGGGAACGTGGGTAGCATTTAGGCTAGCTGGCA$
10	${\tt TACGACAACGGGGCCCGTGAGGATTGAGCACTTGACTCGCGAACTTATGAACGTAGCGCT}$
11	$\tt TTATACCCACCGTATGCGATTGACGTTGGTGTAGGCAACCAGGCGGTAGGAAGGCGGAGA$
12	GATGCATTGCAAACGCCTGTAAAAGAACGGCATAGCTACTAGACACTCTGATGTGGACCC
13	TTGGCGCAGCCACGACAGGAGAGGTGTGCATCAGCCGCTTGTAAGCACGCAC
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2	(2)	INFORMATION FOR SEQ. ID NO.9:
3	(i)	SEQUENCE CHARACTERISTICS:
4	(A)	LENGTH: 2421 BASE - #PAIRS
5	(B)	TYPE: NUCLEIC ACID
6	(C)	STRANDEDNESS: SINGLE
7	(D)	TOPOLOGY: LINEAR
8	(ii)	MOLECULE TYPE: MRNA

SEQUENCE DESCRIPTION: SEQ. ID NO.9

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GCGGAATTACTAGTGATAAGCAGTGGTAACAACGCAGAGTCGCGGGCAGGGACTCGATCA GTTGTTATGTGTTGCCCCGTGGTTGCAAGTAGGCACGCAGGGCGTGCAAGGCATGTTGCT GTCCGTGCAGCAGGCCAACATCTGAGTGTGATTGTCCTCCAACACCTCAGGCCAAGCTG CCTCACTGGCAGCAGGCTCTGGATGAGCTCGCCAAGCCCAAGGAGAGCAGGAGGTTGATG ATCGCGCAAATCGCCTCCGCTGTTCGTGTCGCTATTGCTGAGACCATTGGCTTGGCCCCA GGAGATGTCACCATTGGGCAGCTCGTGACTGGGCTGCGTATGCTTGGCTTTGATTATGTC TTTGACACCCTGTTTGGTGCTGACCTGACCATTATGGAGGAGGGAACGGAGCTGCTGCAT CGCCTGCAGGACCATCTGGAGCAGCACCCCAACAAGGAGGAGCCACTGCCCATGTTCACC AGTTGCTGCCCAGGCTGGGTTGCCATGGTTGAAAAGAGCAATCCTGAGCTCATCCCCTAC CTGTCATCTTGCAAGTCGCCTCAGATGATGCTTGGGGCCGTTATCAAGAACTACTATGCA AAGCAGGGAGAGCTGACCGGGAGTGGTTCAACACCACAGGTGCAGGCCTTGCCCGTGAT GTTGATCATGTGGTGACTACTGCTGAGGTTGGTAAGATATTCCTGGAGCGTGGCATCAAG CTGAATGAGCTGCCAGAGAGCAACTTTGACAACCCCATTGGCGAGGGCACAGGTGGTGCT CTGCTGTTTGGCACCACTGGAGGTGTCATGGAGGCACCACTTCGCACAGTCTATGAAGTG GTGACCCAGAAGCCCATGGGTCGTGTTGACTTTGAGGAGGTGCGAGGCCTTGAAGGAATC AAGGAGGCAGAGATCACACTCAAGCCAGGAGACGACAGCCCATTCAAAGCCTTCGCAGGA GCTGATGGGCAGGGCATCACGCTCAAGATTGCAGTAGCCAATGGGCTTGGCAATGCCAAG AAGCTCATCAAGAGCCTGTCAGAGGGCCAAGGTATGATTTCATTGAGGTCATGGCA TGCCCTGGTGGCTGCATTGGCGGAGGCGGTCAGCCCCGCAGTACTGACAAGCAGATCCTG CAGAAGCGCCAGCAGCTATGTACAACCTGGATGAGCGCAGTACCATCCGCCGCAGCCAT GATAACCCATTCATCCAGGCGCTGTATGACAAGTTCCTAGGCGCACCCAACAGCCACAAG GCACATGATCTGCTGCACACACACTATGTGGCAGGTGGAATTCCAGAGGAGAAGTGAGGG ACCGAGGCCGGAGTGGTGTTATTAGTGTAGAGCTAGGCAGCAGGGATCTGGCCGCATTTG GGTGCTGTTTGGTTTGGCATCAAAGATATGATGAATGTACAATCTATTGGGTTCTTT GTATCTCATTCATGACTGCTGCTTGGTGAGGTATGGGCCAGGAAGAAGCCCGCATCAATG CATGTGAACTAGGTGGCTCCACATATGAACCCTATCTGGATGTTTAAGGTACCTGAAACA





1	ATAGTGCATCGGCTCTGCATGGCTCAACAACCTGTCTTCAGAGCAGGTGTATTCCACACC
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3	CGCCTGCAGTTCATAGTCTATGAAGGTTTCACCAGAGTCCATGTCCCTCATATTTTTTGT
4	TTTATATGCCTTGATTATGCCCCTTGAACCATGCTCAATGCACACAAGTTGGTCGCAGGA
5	CAGGCGGCATCGTACATCTCAATTTTCAGAACTTGTCAGTGCGGCATTGCCTTATTTGTA
6	CTCTTGCAGTCCTGTTTCACCCTTGCTACTGCCTTGCATGCA
7	CAGCTCATGCATTGCAATCGATCATCACGTACATCCGTGCCATATTCACATGGTTTTGAC
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14	АААААААААААААА